

601 INCIDENTAL CONCRETE CONSTRUCTION**601.01 BUS STOP PADS, MEDIAN STRIPS, AND ISLANDS**

(A) **DESCRIPTION.** Work consists of PCC bus stops, median strips, directional islands for channelization of traffic, and pedestrian islands, constructed on bituminous pavement, PCC pavement, or on a prepared base course in conjunction with new construction. Except as herein stated, all requirements specified in [Section 501](#) for “Reinforced Portland Cement Concrete Pavement” are applicable to this specification.

(B) **MATERIALS.** The materials shall meet the requirements specified in [501.02](#).

(C) **COMPOSITION.** The proportions of materials for concrete shall meet the requirements of [817, Class E](#).

(D) **TESTING.** The concrete shall meet the requirements of [501.15](#).

(E) **CONSTRUCTION REQUIREMENTS.** Construction shall conform to the requirements described in [501](#) with the following exceptions, changes, or additions:

- (1) **PREPARING PAVEMENT FOR BUS STOP PADS.** Where bus stop pads are to be constructed on composite pavement, the bituminous surface course and binder course shall be removed and the area of the concrete base on which the islands are to be constructed shall be cleaned and roughened as directed by the Chief Engineer.
- (2) **PREPARING PAVEMENT OR BASE COURSE FOR MEDIAN STRIPS, OR DIRECTIONAL AND PEDESTRIAN ISLANDS.** Where the medians or islands are to be constructed on composite pavement, the bituminous surface course and binder course shall be removed and the area of the concrete base on which the medians or islands are to be constructed shall be cleaned and roughened as directed by the Chief Engineer.

Where the medians or islands are to be constructed on PCC pavement, a groove 1 foot wide, 2 inches deep and approximately 6 feet in length shall be cut into the surface of the existing pavement at intervals of 6 feet for the full length of the island and shall be on the approximate center line of the proposed location of the island. The surface shall be thoroughly cleaned before placing concrete.

When islands are to be constructed on the base course or in conjunction with new construction, the work shall be done in accordance with requirements for new reinforced PCC pavement or sidewalk construction, whichever, as determined by the Chief Engineer, is applicable, except that the density of the base course shall not be less than 95 percent of maximum density.

(3) **REINFORCEMENT.**

- (a) **Bus Stop Pads.** When bus stop pads are constructed on a base course and extend for the full depth of the pavement, wire fabric reinforcement weighing 50 pounds per 100 square feet shall be used. When the bus stops are constructed upon concrete base previously placed, wire fabric reinforcement weighing 30 pounds per 100 square feet shall be used.

- (b) Median Strips, Directional and Pedestrian Islands. Wire fabric reinforcement weighing 30 pounds per 100 square feet shall be placed in the medians or islands approximately 2 inches below the surface and shall extend for the full width and length thereof.
- (4) **PLACING ANCHOR SOCKETS.** Anchor sockets for reflector posts shall be installed in the directional and pedestrian islands or medians as shown on the plans. They shall be placed in such a manner as to project above the surface for a distance of 2 inches. The cost of this work shall be included in the contract unit price per cubic yard for concrete for construction of bus stops, median strips, directional islands and pedestrian islands.
- (5) **FORMING JOINTS.** Where PCC bus stop pads, median strips, directional islands, or pedestrian islands are constructed upon PCC pavement or base, the joints in the bus stop pads, medians, or islands shall be placed at the same locations and be of the same type as the joints in the pavement or base. Where the bus stop pads, medians or islands are constructed upon base course, the joints shall be placed at the same locations, and be of the same type as the adjacent concrete against which the bus stops or islands are placed.
- (6) **SEALING JOINTS.** All joints in bus stop pads, median strips, directional islands, and pedestrian islands shall be sealed in conformance with [501.19](#).
- (7) **FINISHING.** Bus stops shall be finished in accordance with the requirements specified in [501.13](#). The surface of the islands shall be finished in accordance with [608.01\(C\)\(6\)](#) except that the surface shall not be marked in 3 foot squares nor will transverse contraction joints be formed at 12 foot intervals. The faces of the islands and median strips shall be finished in accordance with the requirements specified in [609.01\(E\)\(9\)](#).
- (F) **MEASURE AND PAYMENT.** The unit of measure for PCC Bus Stop Pads, Median Strips, Directional Islands, and Pedestrian Islands will be the cubic yard. The number of cubic yards of concrete computed from field measurements will be paid for at the contract unit price per cubic yard, which payment will include furnishing, hauling, and placing all materials, including joints, reinforcement, sealing of joints, and curing, and for furnishing all equipment, tools, labor and incidentals necessary to complete the work.